
said host medium being selected from the group consisting of in vitro and cell cultures,
said method comprising the introduction of an effective amount of a catecholamine to the host
medium to enhance the growth of said bacteria or viruses.

24. The method of claim 23 wherein the introduction of said catecholamine acts directly on
enhancing the growth of said bacteria or virus.

25. The method of claim 23 wherein the growth of a bacteria is enhanced and said bacteria is a
Gram-positive bacteria.

26. The method of claim 23 wherein the growth of a bacteria is enhanced and said bacteria is a
Gram-negative bacteria.

27. The method of claim 23 wherein said catecholamine is selected from the group consisting of
norepinephrine, epinephrine, and dopamine.

28. The method of claim 24 wherein said catecholamine is selected from the group consisting of
norepinephrine, epinephrine, and dopamine.

29. The method of claim 25 wherein said catecholamine is selected from the group consisting of
norepinephrine, dopamine and epinephrine.

30. A method of enhancing the growth of Gram-negative bacteria in a host medium
said host medium being selected from the group consisting of in vitro and cell cultures,
said method comprising the introduction of an effective amount of a catecholamine to the host
medium to enhance the growth of said Gram-negative bacteria.

31. The method of claim 30 wherein said catecholamine is selected from the group consisting of

norepinephrine, epinephrine and dopamine.

32. A method for harvesting the by-products of enhanced growth of bacteria or viruses comprising introducing an effective amount of a catecholamine to an in vitro or cell culture host medium of bacteria or virus to act directly on enhancing the growth of said bacteria or viruses, and collecting by-products generated by said bacteria or viruses.

33. The method of claim 32 wherein said introduction of said catecholamine acts directly on enhancing the growth of said bacteria or virus.

34. The method of claim 32 wherein a Gram-negative bacteria undergoes said enhanced growth.

35. The method of claim 33 wherein a Gram-negative bacteria undergoes said enhanced growth.

36. The method of claim 34 wherein said Gram-negative bacteria is selected from the group consisting of E. coli and Y. entercolitica.

37. The method of claim 33 wherein an inhibitor is determined which intercedes at any point in a catecholamine biosynthetic pathway, and Gram-negative bacteria are subsequently treated by said inhibitor.

38. The method of claim 34 wherein an inhibitor is determined which intercedes at any point in a catecholamine biosynthetic pathway, and Gram-negative bacteria are subsequently treated by said inhibitor.

39. The method of claim 33 wherein said catecholamine is selected from the group consisting of norepinephrine, epinephrine, and dopamine.